

2005 WNV Activity in Fresno County

Where are we going and what's with
this handbasket?

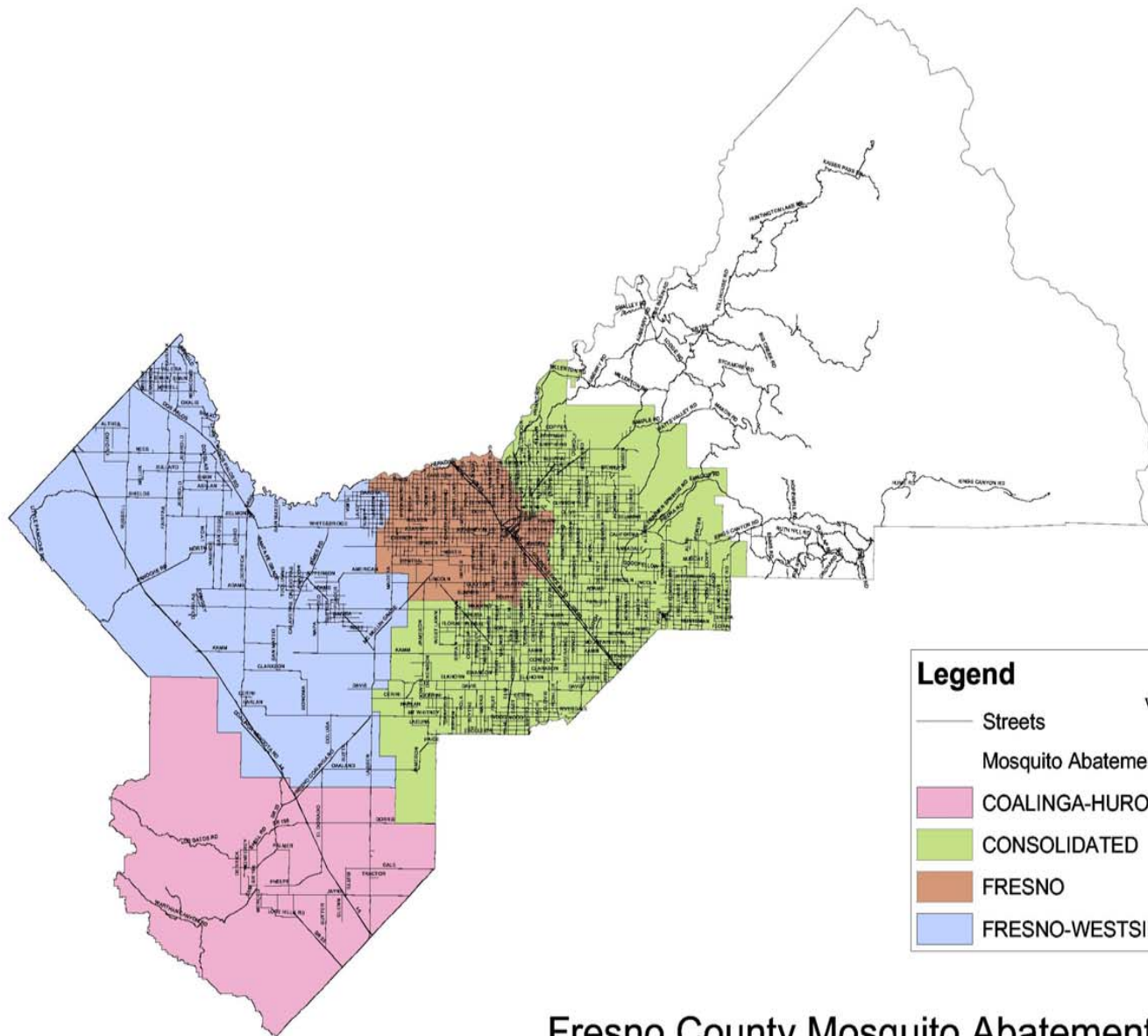
Steve Mulligan, Consolidated MAD

Dave Farley, Fresno MVCD

Elizabeth Cline, Fresno Westside MAD

Ralph Baiza, Coalinga-Huron MAD





Fresno County Mosquito Abatement Districts

Fresno County Mosquito Control 2005 Agency Statistics

	C-HMAD	CMAD	FMVCD	FWMAD
Area	930	1,058	283	1,325
Pop	14,000	436,000	373,000	53,000
Employee	2	48	22	6
Regular	1	16	10	6
Season	1	32	12	0

Mosquito Control Agencies Changes in Personnel 2000-2005

	Regular	Seasonal	Total
Coalinga-Huron MAD	0	+1	+1
Consolidated MAD	+4	+13	+17
Fresno MVCD	-2	+7	+5
Fresno Westside MAD	-2	0	-1

West Nile Virus Taskforce

- Fresno County Mosquito Control Agencies
- Fresno County Health Department
- Fresno County Ag Department
- Hospital Infectious Disease Personnel
- Central California Blood Center
- CalTrans
- Fresno County Realtors Association
- Veterinary Personnel
- Fresno Metropolitan Flood Control District
- Neighborhood Watch

WNV Activity Fresno County, CA

2004

15 human cases, no fatalities

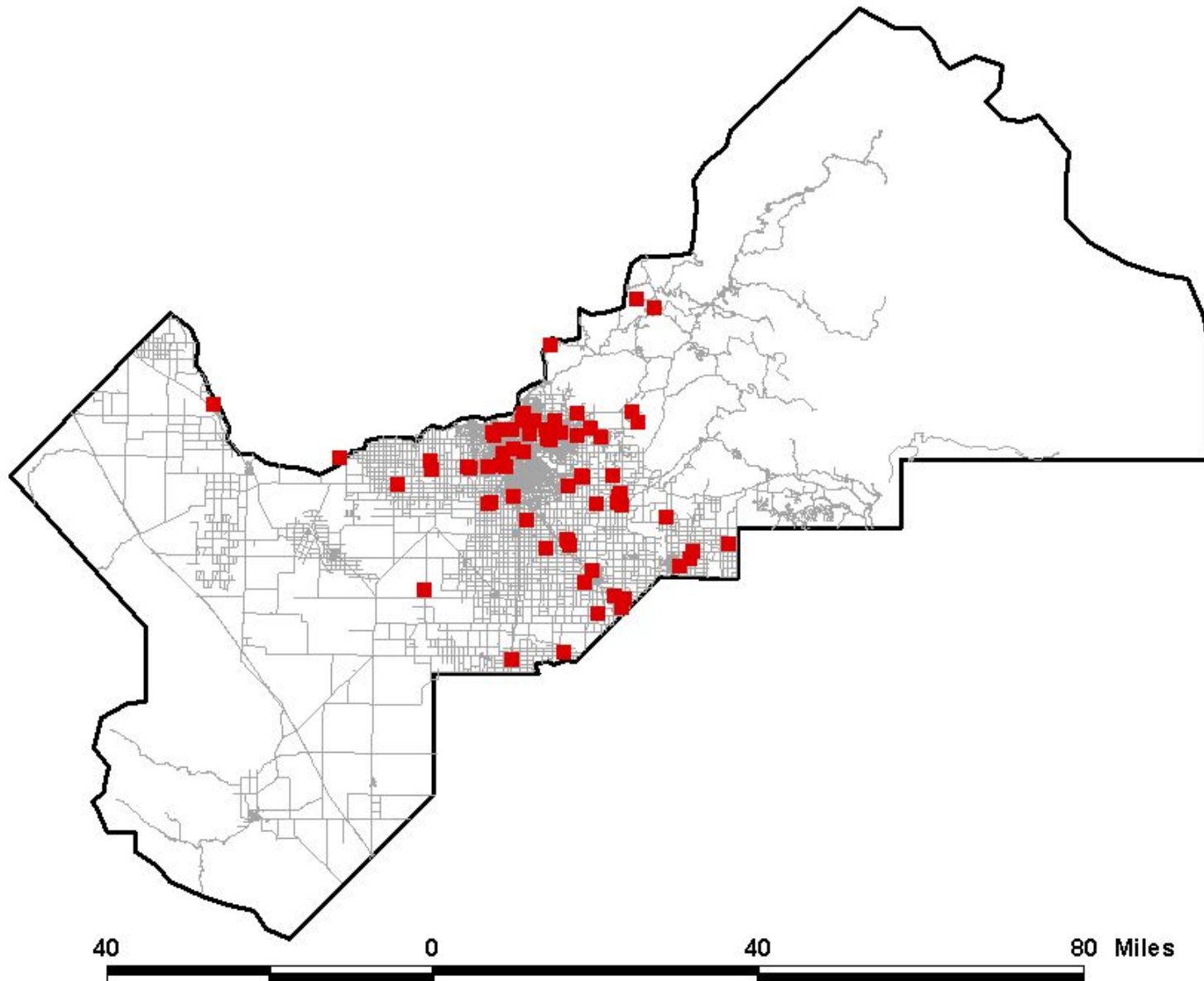
23 equine cases, 6 fatalities

2005

64 human cases, 2 fatalities

34 equine cases, 12 fatalities

WNV Human Cases 2005



Fresno Co. Human WNV Cases 2005

- First human case onset July 6
- Responses directed to human cases:
 - Mosquito trap placements at house and area
 - Intensified inspection for sources in area
 - Increased and more frequent larval control
 - Surveillance indicated low adult mosquito numbers
 - Mosquito breeding areas often found nearby
- Problems encountered
 - Information distribution slow and incomplete
 - Difficulty in access of neighborhood premises

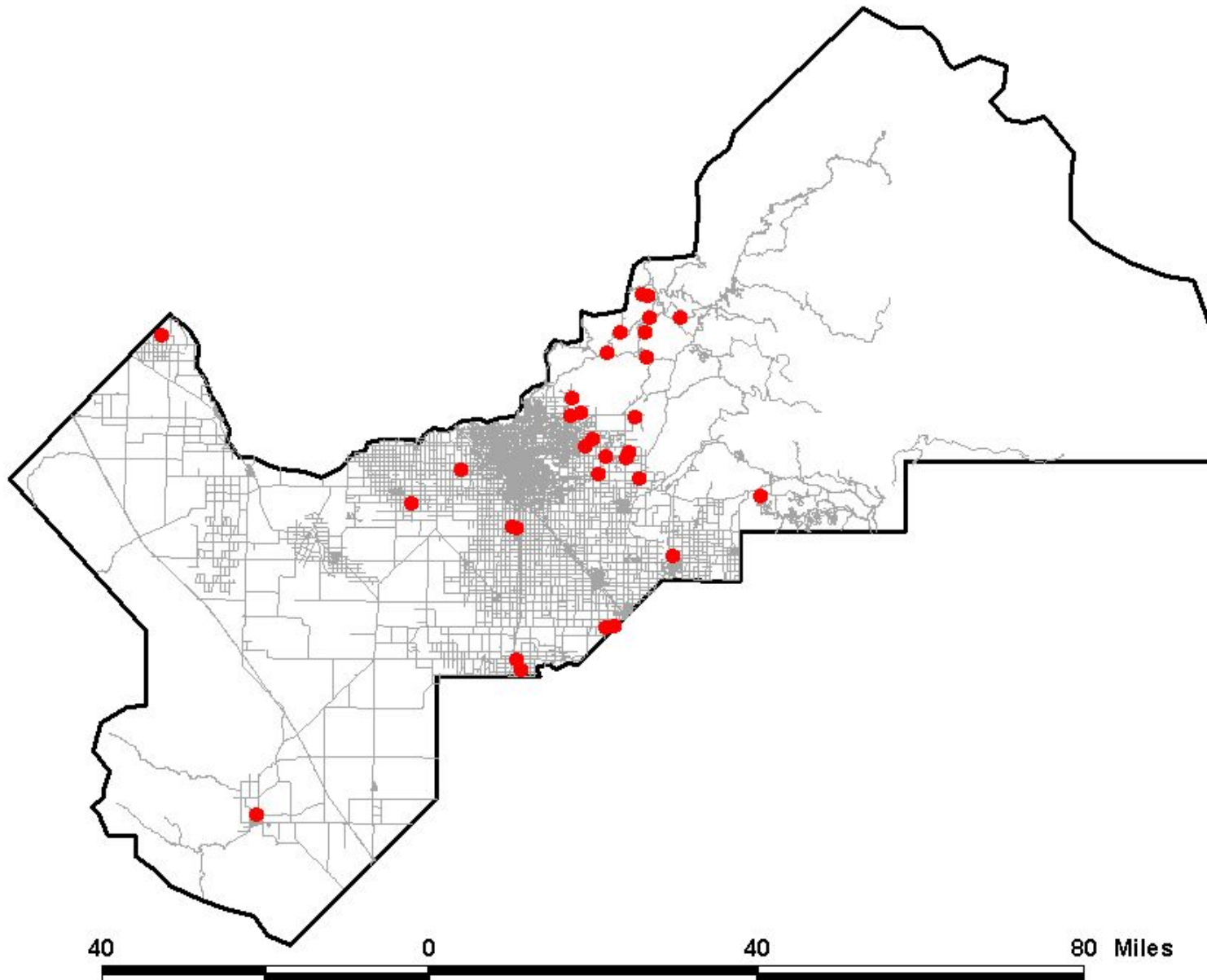






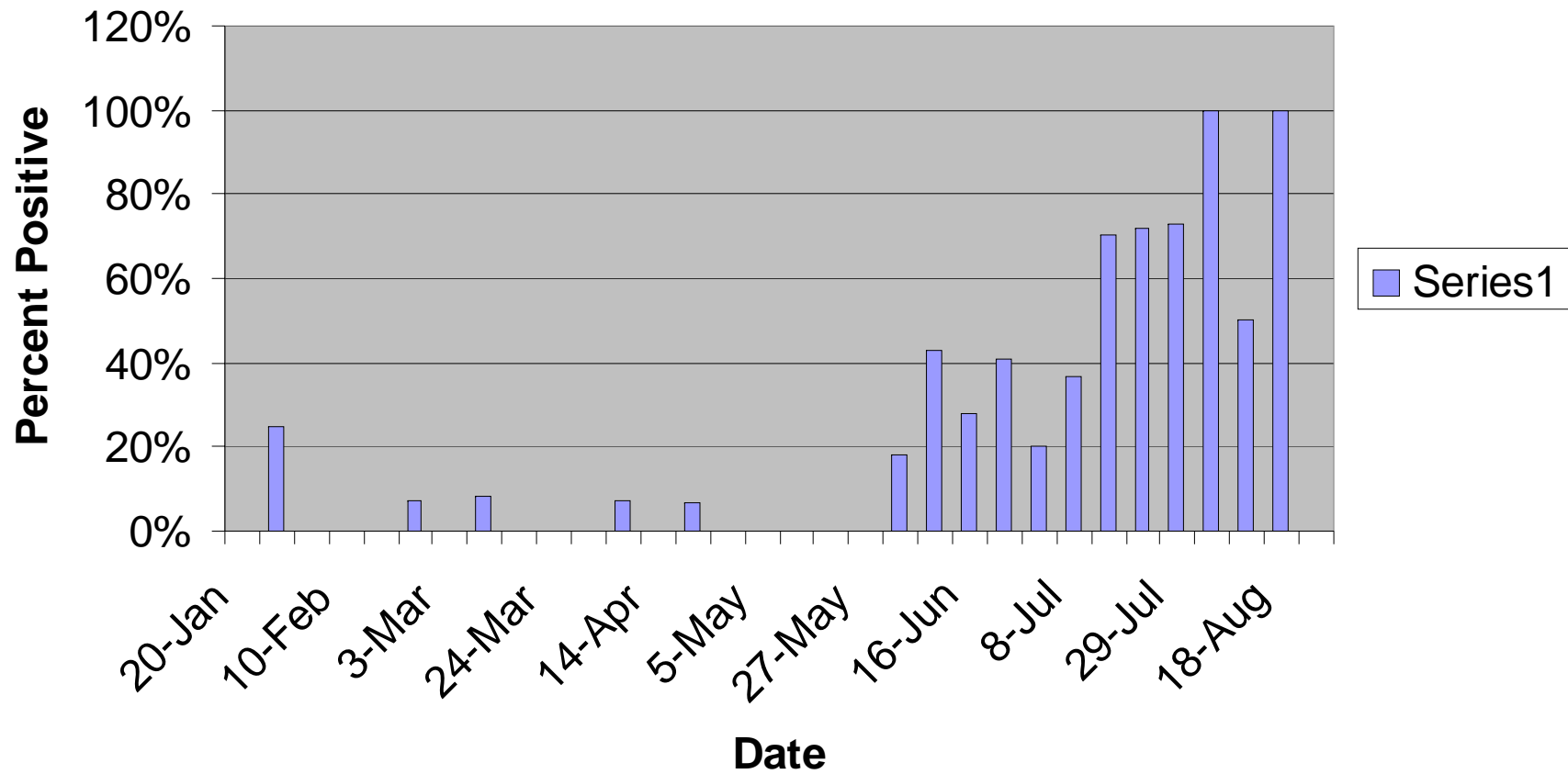


WNV Horse Cases 2005

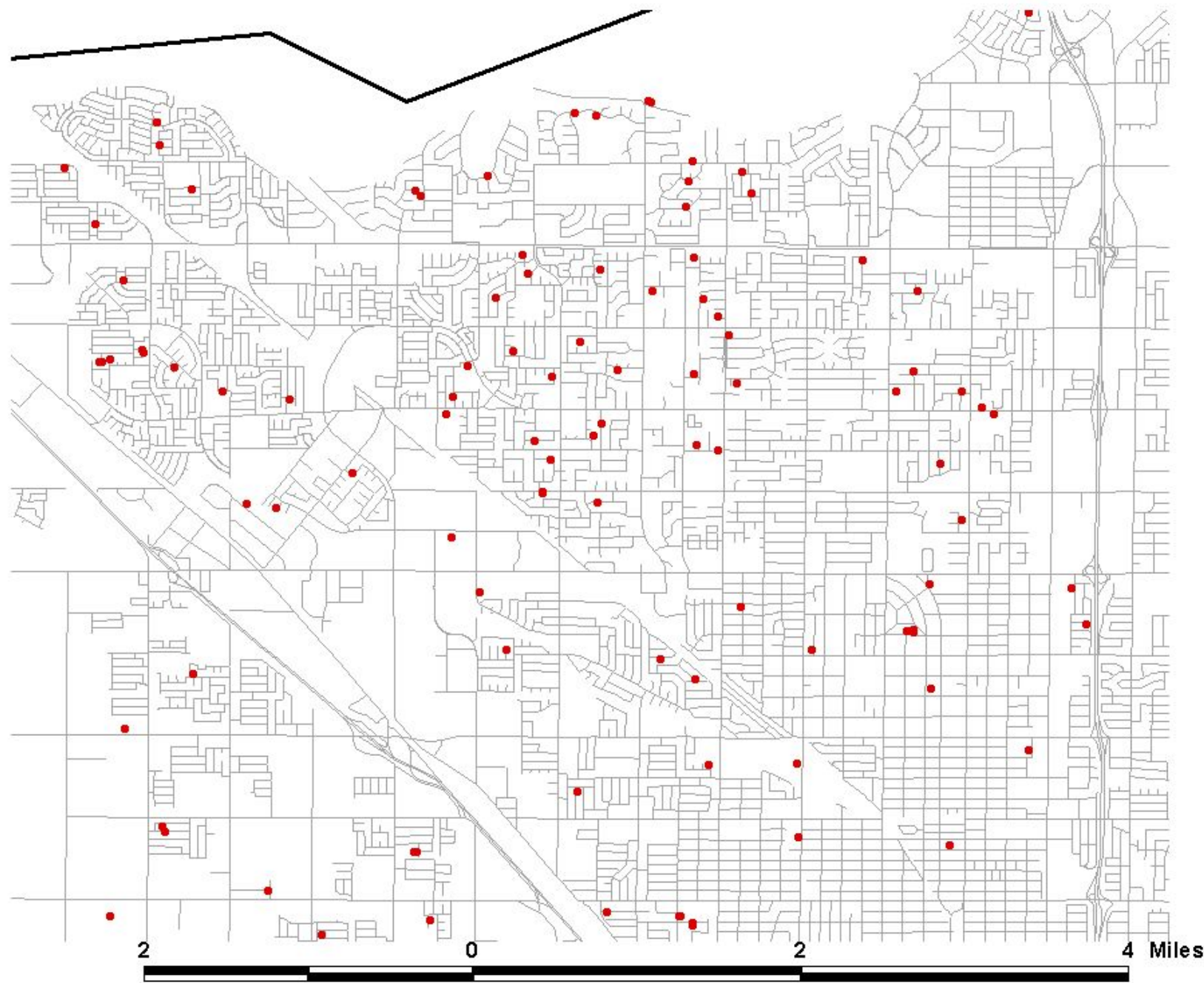




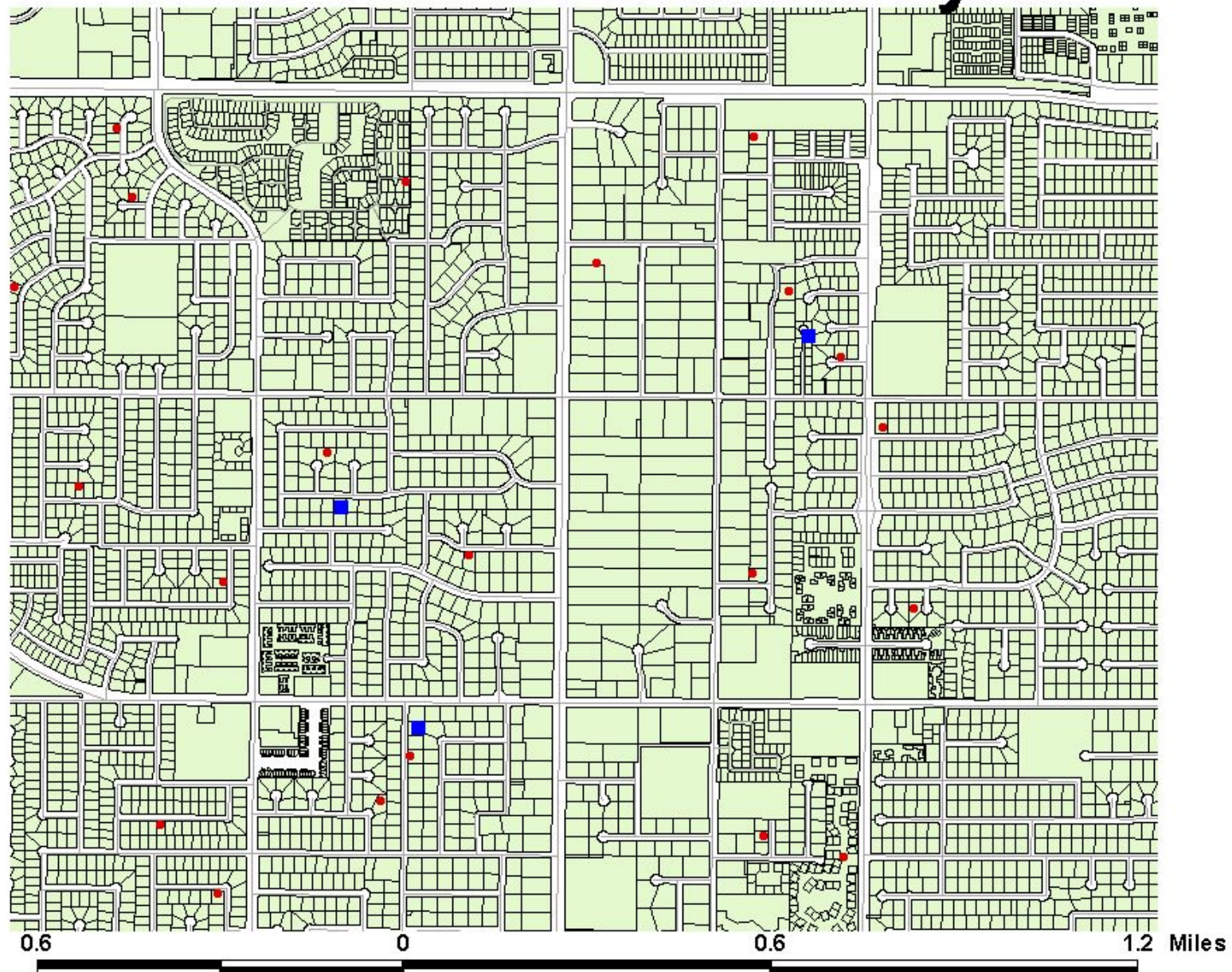
Percent Positive WNV Birds by Date

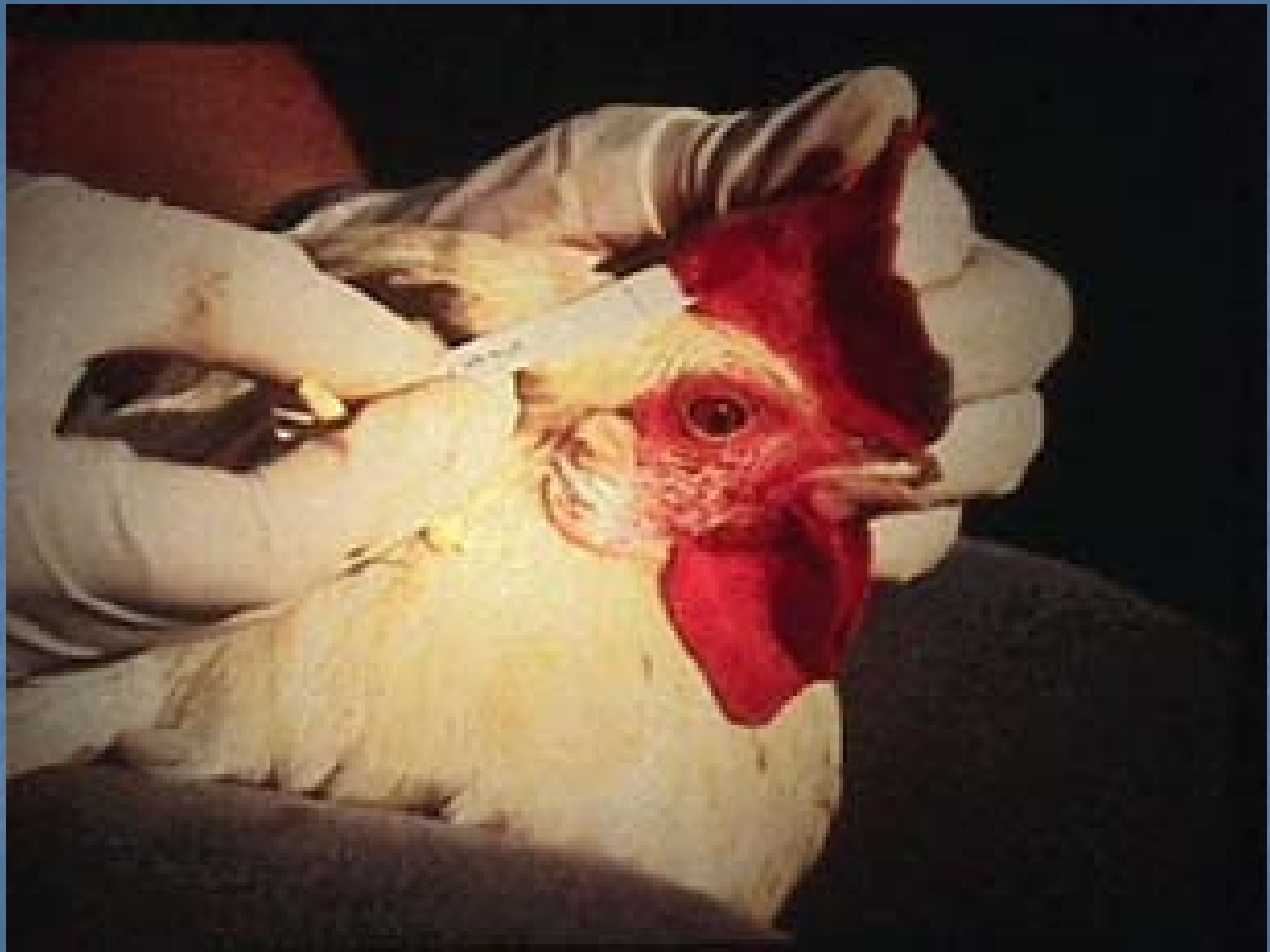






WNV Humans and Jays





Mosquito Control Efforts by Fresno Co. MADs With Arrival of WNV in 2005

- Emphasis on breeding source identification and larvicide applications
- Increased treatment and retreatment of larval sources
- Focused adulticide applications to breeding sources and to adjacent residential areas
- Large scale urban adulticide applications not used





Fresno Co. Public Information Efforts


- Fresno County Community Health Department
 - Produced bilingual pamphlets (English/Hmong)
 - Media contacts
 - Coordinated "Speakers Bureau" for talks
- Mosquito Abatement Districts
 - Produced 250,000 English/Spanish Brochures
 - Media contacts
 - Presentations at schools, community events, fair
 - Distribution of literature
 - Collaborated in production of health advisory

NEW Information!


Heard the BUZZZZZZ?

Mosquitoes Carry West Nile Virus

PROTECT Yourself and Your Family!

 **For more information please call... (559) 445-3324**

 Department of Community Health
www.fresnohmanetronics.org



What is the West Nile Virus?

West Nile Virus is carried by mosquitoes.

West Nile Virus can make you and your family sick.

You or someone in your family could get West Nile Virus from a mosquito bite.

Most people who get West Nile Virus will not feel sick.

People who do get sick may feel like they have the flu. They may have some or all of these symptoms.

- * Fever
- * Headache
- * Body Aches
- * Rash

The sickness can start 3-15 days after a mosquito bite and may last only a few days.

Older people and people with medical problems can become seriously sick and could even die.

Call your doctor if you have questions.

Horses get very sick and can die from West Nile Virus, too. A vaccine series protects your horse from infection. Call your vet for details.



PROTECT Your Family!

Avoid mosquito bites.



Stay inside the house in the early morning and evening when mosquitoes are out.

Wear long sleeved shirts and pants when outside the house.



Use insect repellent on exposed skin, (face, neck, arms, legs), when going outside.

Insect repellent that contains DEET will do the best job of keeping mosquitoes away. Follow the directions carefully.

Call 445-3324 to ask about other repellents that work.

Put screens on all windows and doors. Fix any holes in the screens. Screens will keep mosquitoes out.



PROTECT Your Home!

Mosquitoes live and lay their eggs around standing water.

Get rid of standing water around your home.

Empty water every few days from:



Bird Baths



Flower Pots



Buckets



and Old Tires



Also...

Change the water in pet dishes every day.

And...

Check your yard for other places where water may be standing.



Do you have a pond in your back yard?

Put mosquito fish in your pond. The fish will eat mosquito larvae (wigglers).

Get mosquito fish FREE !!! Call for more information.

PROTECT Your Community!

Report dead birds.



Call the West Nile Virus Dead Bird Program
1-877-968-2473 (Toll-Free)



Or visit our website
www.westnile.ca.gov

A dead or ill bird may be the first sign that West Nile Virus has come to your neighborhood.

Do not touch any dead or ill birds with your bare hands. Call to find out what to do.

Report mosquito problems.

Call your mosquito control district if you have problems with mosquitoes.

Consolidated Mosquito Abatement District:
(559) 896-1085 or (800) 821-1577

Fresno Mosquito and Vector Control District:
(559) 268-6565

Fresno Westside Mosquito Abatement District:
(559) 659-2437





HEALTH ADVISORY

WEST NILE VIRUS DETECTED



West Nile Virus is a disease that is transmitted by the bite of an infected mosquito. West Nile Virus can cause serious illness. The Fresno County Department of Community Health strongly recommends the following actions to protect yourself from mosquito bites:

Wear shirts with long sleeves and long pants.

Use insect repellent that contains DEET on exposed skin when outside.

Avoid places where mosquitoes are present.

To report mosquito problems, call Consolidated Mosquito Abatement District at 1-800-821-1577 or 559-896-1085.

For information and brochures on West Nile Virus, call Fresno County Department of Community Health at (559) 445-3324.

Challenges to Mosquito Control Efforts

- Finding and accessing all breeding sources, especially in urban areas
- “Buy in” by the public on eliminating mosquito breeding sources
- Effectiveness of urban adulticide applications: low adult populations, obstructions to drift

Needs for 2006

- Better access to backyard and “hidden” sources
- Better ways to distribute information to public
- More timely and complete reporting of human cases
- Research on efficacy of adulticide applications in urban areas

The End

